PATENT SPECIFICATION



walled and dan tak minerature

Convention Date (United States): Feb. 15, 1936.

490,433

Application Date (in United Kingdom): Feb. 15, 1937. No. 4498/37. Complete Specification Accepted: Aug. 15, 1938.

CONTENT SPROTECOATION

Improvements in Processes of High Vacuum-short Path Distillation

Price 1/-1

Improvements in Processes of High Vacuum-short Path Distillation

We, Barrana Konx Conzayr, a
Gouppuy organised under the laws of the
America, of 508, State State, Rochaster,
4 State of New York, United Bittes of
America (Jasquisse of Kampur Charme
Devragora, Lincusty, a British subject
10 State of New York, United
11 State of New York, United
12 Estate of America, lo heavily delects the
taxture of this investion and in what
the particularly described and cuertained
in and by the following statement:—

10 This invention relate to improvement
in the invention path of the statement of the invention of the particularly described and cuertained
in and by the following statement:—

11 This invention relate to improvement
in the invention path of the statement of the invention of the particularly described to a molecular distilliation, particularly that specific
form of high vacuum-short path distilliation, particularly that specific
form of high vacuum-short path distilliation
of the molecular distilliation and purificate
of the molecular distillation and purificate
of the molecular distillation and purificate
of the molecular distillation and purificate
of the particular distillation and purificate
of the molecular distillation and purificate
the molecular distillation and purificate
of the molecular distillation and purificate
of the molecular distillation and purificate
t ALSE INVESTIGATE AND FOR THE OBJECT TO THE O

the high vacuum-thort path distillation of solid placents, dispersed in an oil, so as to yield a fraction contributing the families are formed, has already been distilled to the process in liquid dilutest is added to proceed in liquid dilutest is added to proceed the initial fillipid at the temperature of the initial fillipid at the temperature of the fact of the liquid over the distilling surpless, for example, by lowering the vaccounty or surface trastion of the liquid process of the vaccounty of surface trastice, and described in the following consulters of the process of the proce

10 face,

flow of the liquid ever the until any of the forest example, by lowering the control of the preferred embedianch of the threateness of the control of the preferred embedianch of the control of the cont

amployed to prevent deposition. The phoshete has a vegour present which it is althought which is also rather high but is sufficiently low to enable distillation of the given without aubstrainful contamination. In distilling the substraint on the given without aubstraint contamination. In distilling the substraints of the given without which serve as sources of which serve as sources of the substraints of the substraints with the substraints of the substraints and the substraints of the substraints and the substraints of the substraints of

Payering September 50 Http://www.gelinepatenl.com/Login.cog/ssandy.fodoTyFe(ch/GbbuU45U453.cpg/footbar=bottomped=maintrom/:e;che=1gelUeta=1frage 3

Lower proportions such as about .5 to 50% are satisfactory in cases where the material treated is of low viscosity and/or little of it is to be removed as distillate.

It is emphasized that the proportions was according to the nature of the distilland.

1112 emphassed that the proportions were
and that proportions cannot therefore be
empirically defined. However, anguse
tidiled in the art can, by following the
10 directions given, suply the principles of
the inventor to any particular material.

Where beating of the distilland causes
deposition of soils a solvent for the
continuous proportion of soils as obvent for the
10 colds may be employed as the distilland
dituent. This expections is shown to real
portion of the distilland remaining as
undistilled liquid.

20 The distilland dituent employed may
be espected from the distilland and reused any decired number of times
to the desirable to employ a liquid which
to the desirable to employ a liquid which
to the desirable to employ a liquid wind-

36 to immiscible with the distillation remains an authorized tomperature, but is miscible therewish at the temperature of distillation. Such a liquid one because the superature of the two layers of liquid thus formed.

The control of the co

of the vaporized molecules do not return

of the vaporised molecules do not return to the evaporative surface and are condensed upon a surface lossted in close processing the surface and are condensed upon a surface lossted in close processing to the evaporating surface. To or less than the mean free path of the molecules of radiual gas. Processes employing a distance of less than about season than the mean free path of the condense of several times the sunction of several times the amount of a report of several times this amount of a report of several times the sometimes purface at 20 least in part by convection. Such a protection of the several times the search of the sometimes trade of the search of the sometimes of a radiousless of several times the search of the sometimes of a radiousless of the search of the sometimes of the search of the searc

dolum. to .0001 nm. are preferred.

However, as the mean tree path a requisite physical properties as regards its apparent that the higher the degree of distillation, it is therefore possible to street the state of the state of distillation, it is therefore possible to street of the state of the state of the state of distillation. It is therefore possible to street of the state of distillation. It is therefore possible to street of the state o

distillation another liquid having a vapour pressure lower than that of the distillation was the man that of the distillation where the conditions appreciation, thereby preventing deposition of non-volatillation residents upon the distilling surface, tending to log the still.

3. The process as claimed in claim 1 explaid specifically to substances which applied specifically to substances which are considered to the surface of the control of the control

Stream of the or emisched and a substitution of the substitution o

which is miscible with the distilland when hot, but immiscible when cold. 30 6. The process as claimed in olsim 1, 2 or 8 in which a non-volatile liquid free-reservable of the which a non-volatile liquid free-reservabled, so least in part, to sure as the distilland diluent. 187. The process as claimed in civing 1, 25 7. The process as claimed in claimland diluent comprises a mixture of a liquid having a vapour pressure lower than that of the distillant and of the distillant and a non-volatile liquid of the distillant and the control of the distillant and the distillant of the distillant and non-volatile liquid 30 through 10 mixture 10 mixtur

Geamington Spa: Printed for His Majerty's Stationery Office, by the Courier Press.—1988.